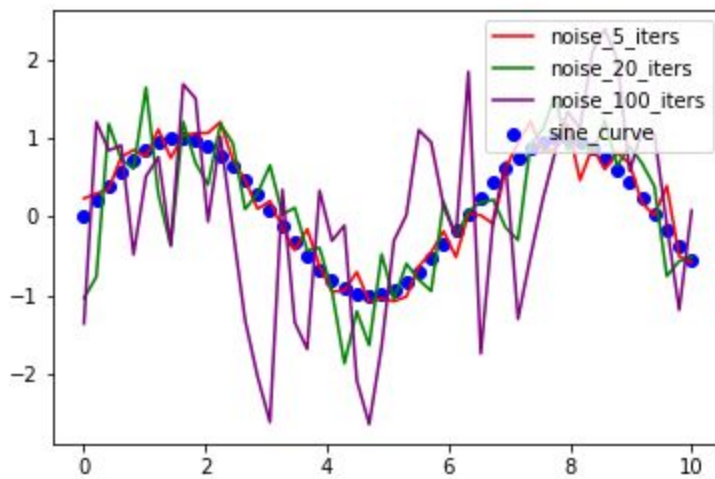


Andy Thai
A12112599
COGS 181
HW1

Part 1

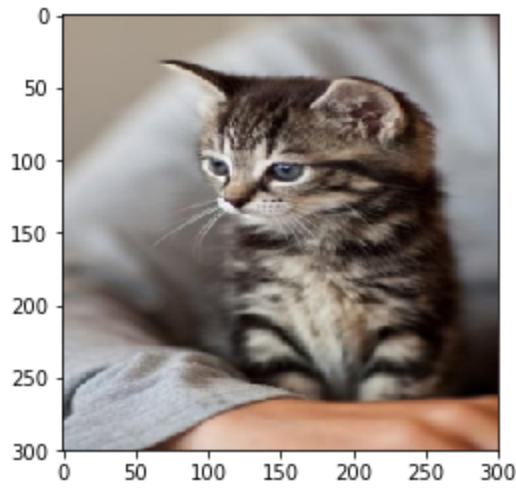
1. $\begin{bmatrix} 0 & 4 \\ 6 & 6 \\ 10 & 11 \end{bmatrix}$
2. $\begin{bmatrix} 1 & -3 \\ -5 & 7 \\ -9 & 0 \end{bmatrix}$
3. $\begin{bmatrix} -13 & 4 \\ -15 & 4 \end{bmatrix}$
4. $\begin{bmatrix} -2 & 2 & -1 \\ -2 & 2 & -5 \\ -2 & 2 & -9 \end{bmatrix}$
5. impossible

Part 2

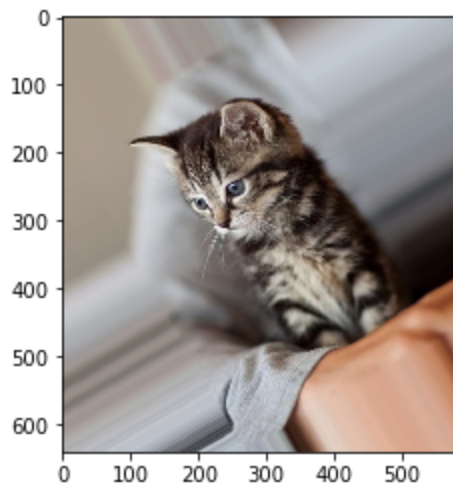


Part 3

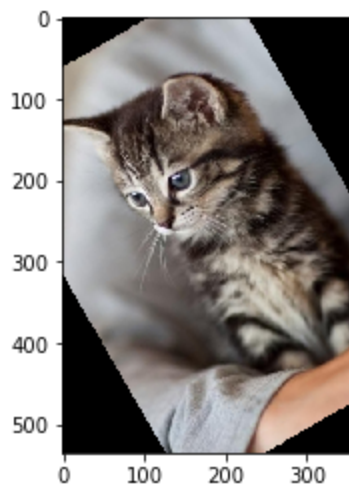
1. (535L, 356L, 3L)



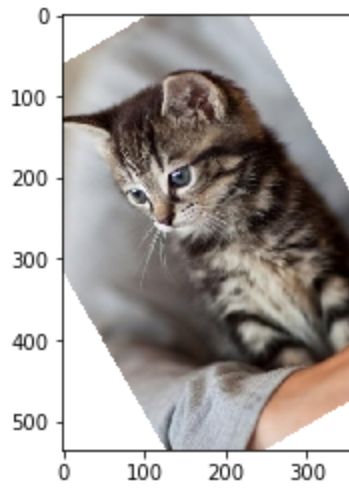
2.



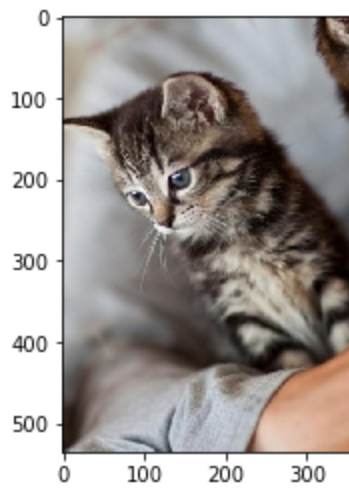
1.



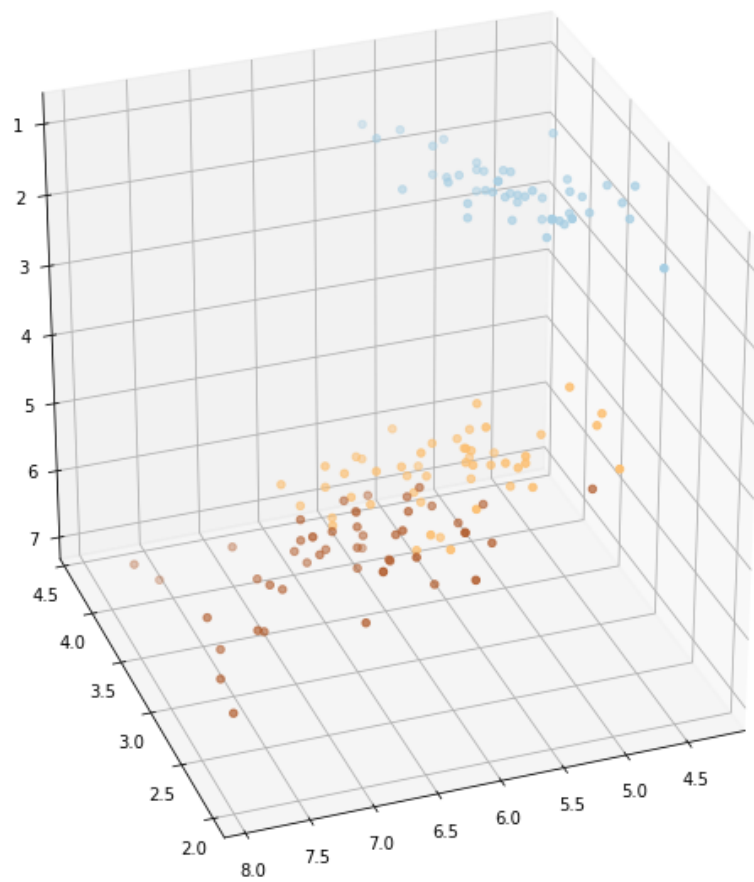
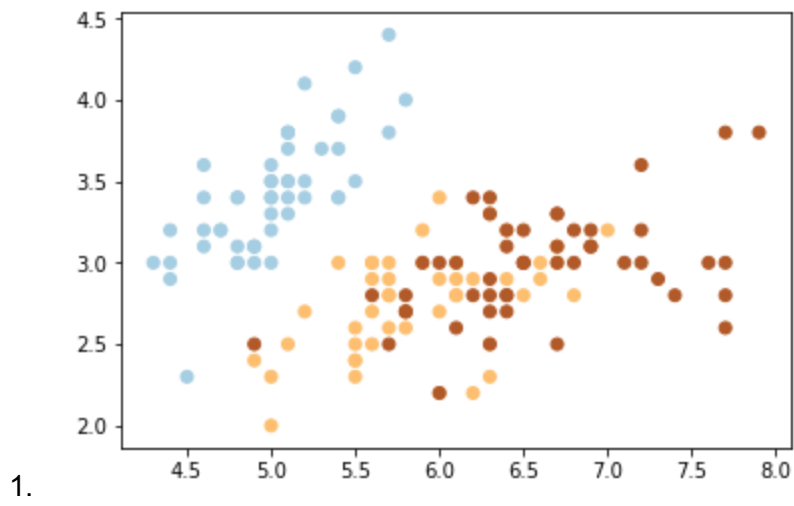
2.



3.



4.

Part 4

Part 5

Dataset Categories:

[Silver Blue Red Black Length Height]
[-----]

Matrix:

```
[[ 1.  0.  0.  0. 182.3 62.]
 [ 0.  1.  0.  0. 181.  66.]
 [ 0.  0.  1.  0. 186.  56.]
 [ 0.  1.  0.  0. 179.  59.]
 [ 0.  0.  0.  1. 182.  50.]]
```

Part 6

